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(54) **Hydraulically actuated tool for mounting and dismounting rolling mill roll neck bearings**

(57) A tool is disclosed for axially urging a bearing assembly (10) into and out of a seated position on the neck (18) of a roll in a rolling mill. The tool includes a piston (74) surrounded by a cylinder (66). The piston is removably fixed to the roll neck and is configured to internally subdivide the cylinder into first and second chambers (76a,76b). Fluid conduits (84a,84b) are arranged to alternatively pressurize the first and second chambers to alternatively shift the cylinder with respect to the thus fixed piston in opposite first and second directions. Movement of the cylinder in the first direction urges the bearing assembly into its seated position, and movement of the cylinder in the opposite second direction dislodges the bearing assembly from its seated position.

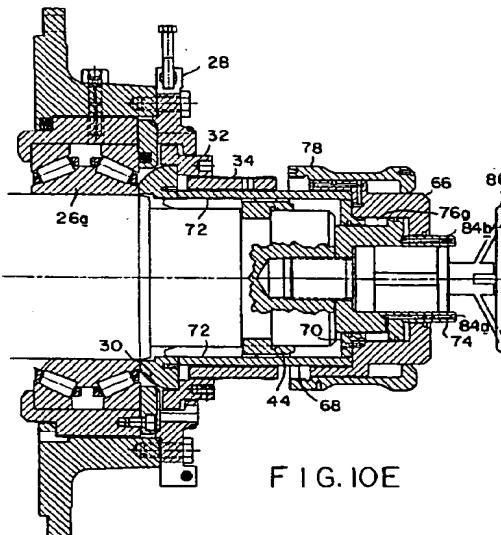


FIG. IOE



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EUROPEAN SEARCH REPORT

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<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>29 March 2001</td> <td>Rosenbaum, H</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	29 March 2001	Rosenbaum, H
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document							
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